

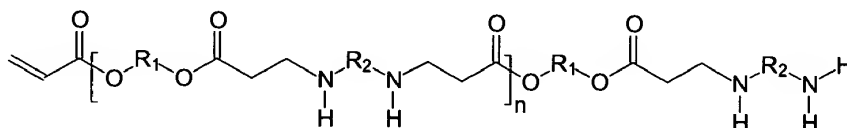


IN THE CLAIMS

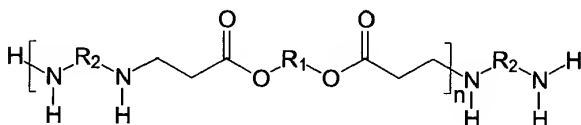
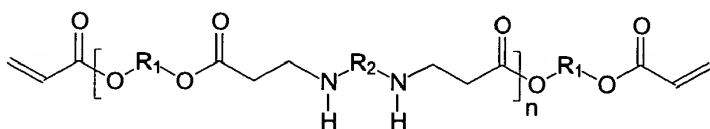
Please cancel claims 1-10 without prejudice or disclaimer.

Please substitute new claims 11-13 as follows:

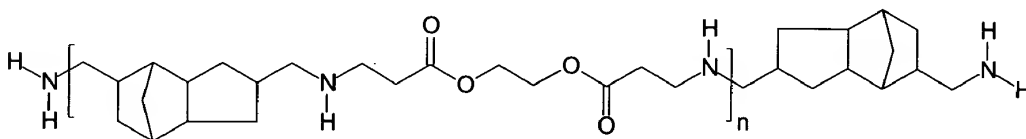
11. A dental composition comprising a polymerizable monomer, a polyaminoester, a pigment, a filler, an initiator and a stabilizer wherein said polyaminoester has a formula selected



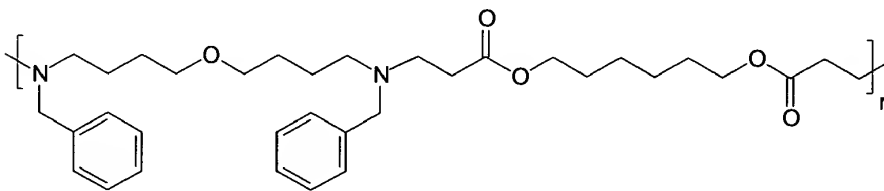
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and



wherein

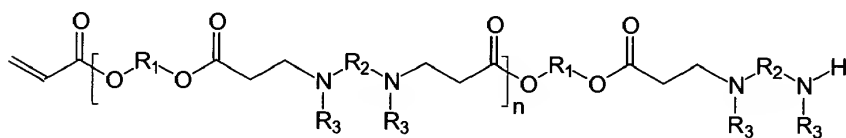
R_1 denotes is a difunctional substituted or unsubstituted C_1 to C_{18} alkylene, difunctional substituted or unsubstituted cycloalkylene, difunctional substituted or unsubstituted C_5 to C_{18} arylene or heteroarylene, difunctional substituted or unsubstituted C_5 to C_{18} alkylarylene or alkylheteroarylene,

difunctional substituted or unsubstituted C₇ to C₃₀ alkylene arylene;

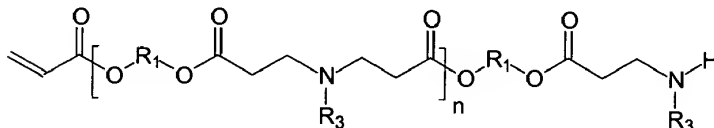
R₂ denotes is a difunctional substituted or unsubstituted C₁ to C₁₈ alkylene, difunctional substituted or unsubstituted cycloalkylene, difunctional substituted or unsubstituted C₅ to C₁₈ arylene or heteroarylene, difunctional substituted or unsubstituted C₅ to C₁₈ alkylarylene or alkylheteroarylene, difunctional substituted or unsubstituted C₇ to C₃₀ alkylene arylene; and,

n is an integer.

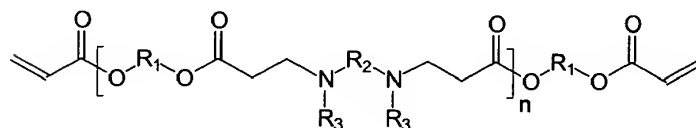
12. Dental compositions comprising a polymerizable monomer and a polyaminoester selected from formulas 1 to 6, pigments, organic and/or inorganic fillers, initiators and stabilizers;



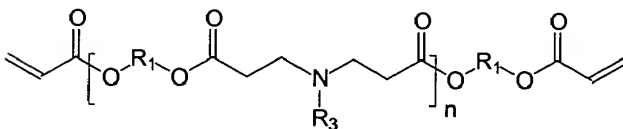
1



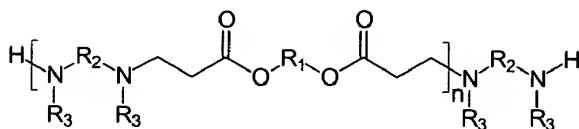
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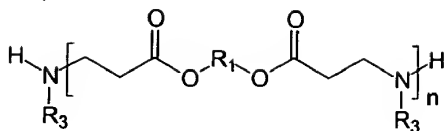
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wherein

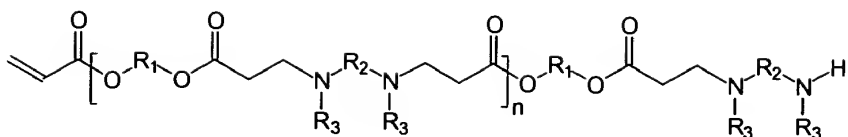
R_1 denotes is a difunctional substituted or unsubstituted C_1 to C_{18} alkylene, difunctional substituted or unsubstituted cycloalkylene, difunctional substituted or unsubstituted C_5 to C_{18} arylene or heteroarylene, difunctional substituted or unsubstituted C_5 to C_{18} alkylarylene or alkylheteroarylene, difunctional substituted or unsubstituted C_7 to C_{30} alkylene arylene,

a' R_2 denotes is a difunctional substituted or unsubstituted C_1 to C_{18} alkylene, difunctional substituted or unsubstituted cycloalkylene, difunctional substituted or unsubstituted C_5 to C_{18} arylene or heteroarylene, difunctional substituted or unsubstituted C_5 to C_{18} alkylarylene or alkylheteroarylene, difunctional substituted or unsubstituted C_7 to C_{30} alkylene arylene,

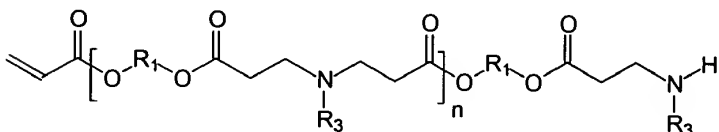
R_3 denotes H or a substituted or unsubstituted C_1 to C_{18} alkylene, substituted or unsubstituted cycloalkylene, substituted or unsubstituted C_5 to C_{18} arylene or heteroarylene, substituted or unsubstituted C_5 to C_{18} alkylarylene or alkylheteroarylene, substituted or unsubstituted C_7 to C_{30} alkylene arylene, and

n is an integer; and wherein said polyaminoester is composed of polyamines and bis- or polyacrylates.

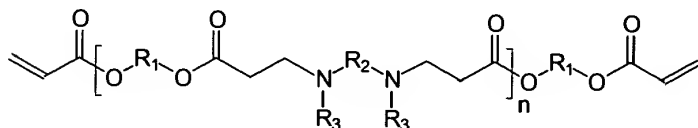
13. Dental compositions comprising a polymerizable monomer and a polyaminoester selected from formulas 1 to 6, pigments, organic and/or inorganic fillers, initiators and stabilizers;



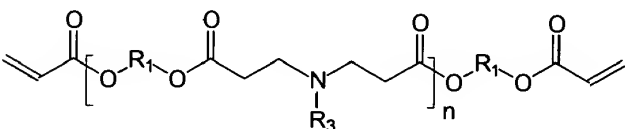
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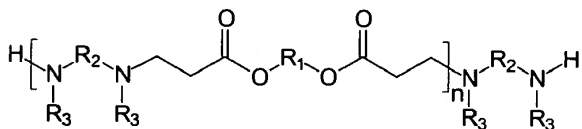
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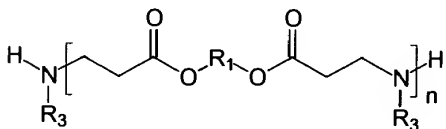
3



4



5



6

wherein

R_1 denotes is a difunctional substituted or unsubstituted C_1 to C_{18} alkylene, difunctional substituted or unsubstituted cycloalkylene, difunctional substituted or unsubstituted C_5 to C_{18} arylene or heteroarylene, difunctional substituted or unsubstituted C_5 to C_{18} alkylarylene or alkylheteroarylene, difunctional substituted or unsubstituted C_7 to C_{30} alkylene arylene,

R_2 denotes is a difunctional substituted or unsubstituted C_1 to C_{18} alkylene, difunctional substituted or unsubstituted cycloalkylene, difunctional substituted or unsubstituted C_5 to

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C₁₈. arylene or heteroarylene, difunctional substituted or unsubstituted C₅ to C₁₈ alkylarylene or alkylheteroarylene, difunctional substituted or unsubstituted C₇ to C₃₀ alkylene arylene,

a' R₃ denotes H or a substituted or unsubstituted C₁ to C₁₈ alkylene, substituted or unsubstituted cycloalkylene, substituted or unsubstituted C₅ to C₁₈ arylene or heteroarylene, substituted or unsubstituted C₅ to C₁₈ alkylarylene or alkylheteroarylene, substituted or unsubstituted C₇ to C₃₀ alkylene arylene, and

n is an integer; wherein said polyaminoesters are copolymerized with monomers that are usable for step-growth polymerization, with di- or polyepoxides or di- or polyisocyanates.
